

What is claimed is:

1 1. A method, comprising:
2 receiving a request from a component to adjust an operational parameter of the
3 component; and
4 sending a response to the component at a proper time to cause the component to
5 adjust the operational parameter, at least partially, during a particular time period in
6 which a first display and a second display are both experiencing a blank period.

1 2. The method of claim 1, wherein the component comprises a central
2 processing unit (CPU), and wherein the operational parameter is an operating clock
3 frequency of the CPU.

1 3. The method of claim 1, wherein the proper time is a time during which the
2 first display is experiencing a first blank period and the second display is beginning to
3 experience a second blank period.

1 4. The method of claim 3, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a
3 horizontal blank period of the second display.

1 5. The method of claim 3, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a
3 vertical blank period of the second display.

1 6. The method of claim 1, wherein the proper time is a time during which the
2 first display is experiencing a first blank period and the second display is about to begin
3 experiencing a second blank period.

1 7. The method of claim 6, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a
3 horizontal blank period of the second display.

1 8. The method of claim 6, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a
3 vertical blank period of the second display.

1 9. The method of claim 1, wherein the proper time is a time during which the
2 first display is experiencing a first blank period and the second display is experiencing a
3 second blank period.

1 10. The method of claim 9, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a
3 horizontal blank period of the second display.

1 11. The method of claim 9, wherein the first blank period comprises a vertical
2 blank period of the first display, and wherein the second blank period comprises a

3 vertical blank period of the second display.

1 12. The method of claim 1, wherein sending comprises:

2 determining whether the first display is currently experiencing a vertical blank
3 period; and

4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component when the second display
6 begins to experience a horizontal blank period.

1 13. The method of claim 1, wherein sending comprises:

2 determining whether the first display is currently experiencing a vertical blank
3 period; and

4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component when the second display is
6 about to begin experiencing a horizontal blank period.

1 14. The method of claim 1, wherein sending comprises:

2 determining whether the first display is currently experiencing a vertical blank
3 period; and

4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component while the second display is
6 experiencing a horizontal blank period.

1 15. The method of claim 1, wherein sending comprises:
2 determining whether the first display is currently experiencing a vertical blank
3 period; and
4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component when the second display
6 begins to experience a vertical blank period.

1 16. The method of claim 1, wherein sending comprises:
2 determining whether the first display is currently experiencing a vertical blank
3 period; and
4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component when the second display is
6 about to begin experiencing a vertical blank period.

1 17. The method of claim 1, wherein sending comprises:
2 determining whether the first display is currently experiencing a vertical blank
3 period; and
4 in response to a determination that the first display is currently experiencing a
5 vertical blank period, sending the response to the component while the second display is
6 experiencing a vertical blank period.

1 18. An apparatus, comprising:
2 a mechanism for receiving a request from a component to adjust an operational

3 parameter of the component; and
4 a mechanism for sending a response to the component at a proper time to cause
5 the component to adjust the operational parameter, at least partially, during a particular
6 time period in which a first display and a second display are both experiencing a blank
7 period.

1 19. The apparatus of claim 18, wherein the component comprises a central
2 processing unit (CPU), and wherein the operational parameter is an operating clock
3 frequency of the CPU.

1 20. The apparatus of claim 18, wherein the proper time is a time during which
2 the first display is experiencing a first blank period and the second display is beginning to
3 experience a second blank period.

1 21. The apparatus of claim 20, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a horizontal blank period of the second display.

1 22. The apparatus of claim 20, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a vertical blank period of the second display.

1 23. The apparatus of claim 18, wherein the proper time is a time during which

2 the first display is experiencing a first blank period and the second display is about to
3 begin experiencing a second blank period.

1 24. The apparatus of claim 23, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a horizontal blank period of the second display.

1 25. The apparatus of claim 23, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a vertical blank period of the second display.

1 26. The apparatus of claim 18, wherein the proper time is a time during which
2 the first display is experiencing a first blank period and the second display is
3 experiencing a second blank period.

1 27. The apparatus of claim 26, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a horizontal blank period of the second display.

1 28. The apparatus of claim 26, wherein the first blank period comprises a
2 vertical blank period of the first display, and wherein the second blank period comprises
3 a vertical blank period of the second display.

1 29. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a
3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component when the
6 second display begins to experience a horizontal blank period.

1 30. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a
3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component when the
6 second display is about to begin experiencing a horizontal blank period.

1 31. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a
3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component while the
6 second display is experiencing a horizontal blank period.

1 32. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a

3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component when the
6 second display begins to experience a vertical blank period.

1 33. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a
3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component when the
6 second display is about to begin experiencing a vertical blank period.

1 34. The apparatus of claim 18, wherein the mechanism for sending comprises:
2 a mechanism for determining whether the first display is currently experiencing a
3 vertical blank period; and
4 a mechanism for sending, in response to a determination that the first display is
5 currently experiencing a vertical blank period, the response to the component while the
6 second display is experiencing a vertical blank period.

1 35. A method, comprising:
2 receiving a first request from a component to adjust an operational parameter of
3 the component;
4 sending a first response to the component at a first proper time to cause the

5 component to adjust the operational parameter, at least partially, during a time period in
6 which a first display is experiencing a vertical blank period and a second display is
7 experiencing a first horizontal blank period;

8 receiving a second request from the component to adjust the operational
9 parameter, wherein the second request is received while the first display is still
10 experiencing the vertical blank period; and

11 sending a second response to the component at a second proper time to cause the
12 component to adjust the operational parameter, at least partially, during a time period in
13 which the first display is experiencing the vertical blank period and the second display is
14 experiencing a second horizontal blank period;

15 wherein it is ensured that the first and the second horizontal blank periods are
16 non-consecutive horizontal blank periods.

1 36. An apparatus, comprising:

2 a mechanism for receiving a first request from a component to adjust an
3 operational parameter of the component;
4 a mechanism for sending a first response to the component at a first proper time to
5 cause the component to adjust the operational parameter, at least partially, during a time
6 period in which a first display is experiencing a vertical blank period and a second
7 display is experiencing a first horizontal blank period;

8 a mechanism for receiving a second request from the component to adjust the
9 operational parameter, wherein the second request is received while the first display is
10 still experiencing the vertical blank period; and

11 sending a second response to the component at a second proper time to cause the
12 component to adjust the operational parameter, at least partially, during a time period in
13 which the first display is experiencing the vertical blank period and the second display is
14 experiencing a second horizontal blank period;
15 wherein it is ensured that the first and the second horizontal blank periods are
16 non-consecutive horizontal blank periods.

1 37. A method, comprising:
2 receiving a request from a component to adjust an operational parameter of the
3 component; and
4 sending a response to the component at a proper time to cause the component to
5 adjust the operational parameter, at least partially, during a particular time period in
6 which N displays are all concurrently experiencing a blank period, where N is an integer
7 having a value of 2 or greater.

1 38. An apparatus, comprising:
2 a mechanism for receiving a request from a component to adjust an operational
3 parameter of the component; and
4 a mechanism for sending a response to the component at a proper time to cause
5 the component to adjust the operational parameter, at least partially, during a particular
6 time period in which N displays are all concurrently experiencing a blank period, where
7 N is an integer having a value of 2 or greater.